

FIG. 3

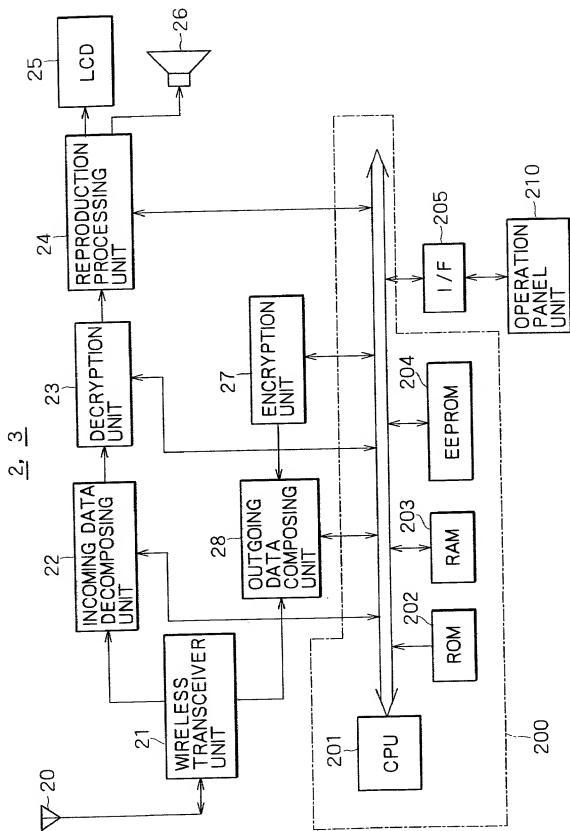


FIG. 4

LAYOUT OF PACKET IN WHICH TO
TRANSMIT MAIN DATA

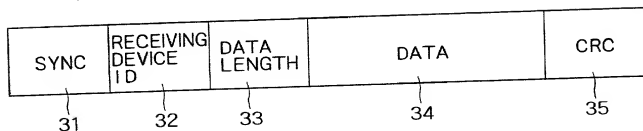
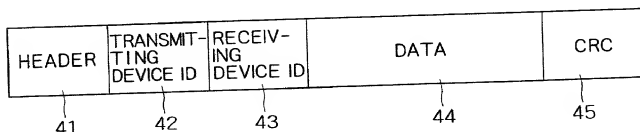


FIG. 5

LAYOUT OF PACKET IN WHICH TO
TRANSMIT REQUEST DATA



[illegible]

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

[illegible]

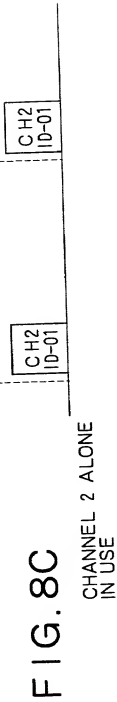
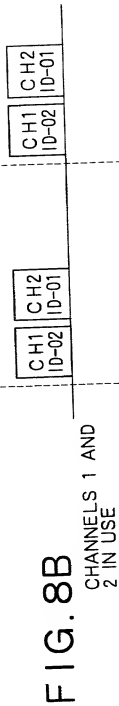
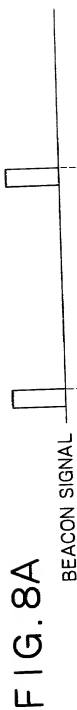
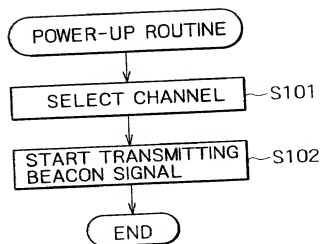


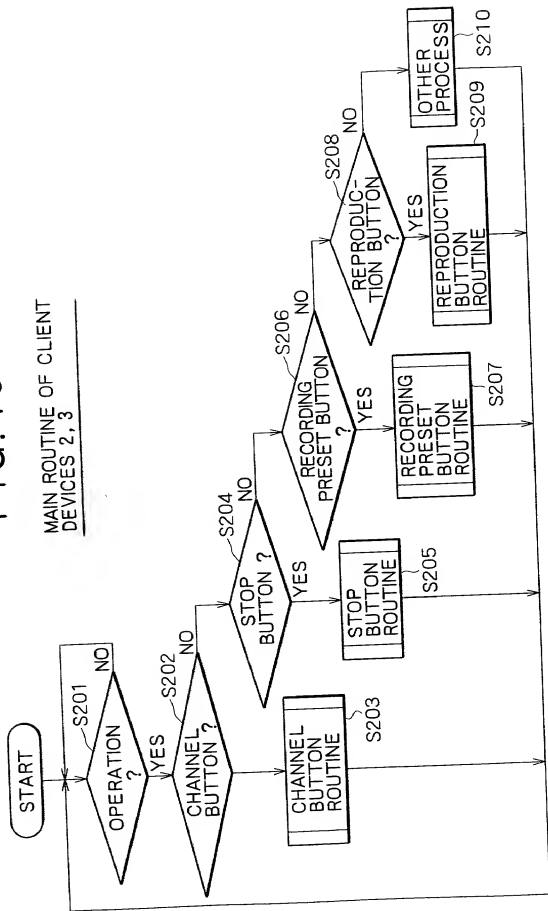
FIG. 9



POWER UP PROCESSING
OF SERVER DEVICE

FIG. 10

MAIN ROUTINE OF CLIENT
DEVICES 2, 3



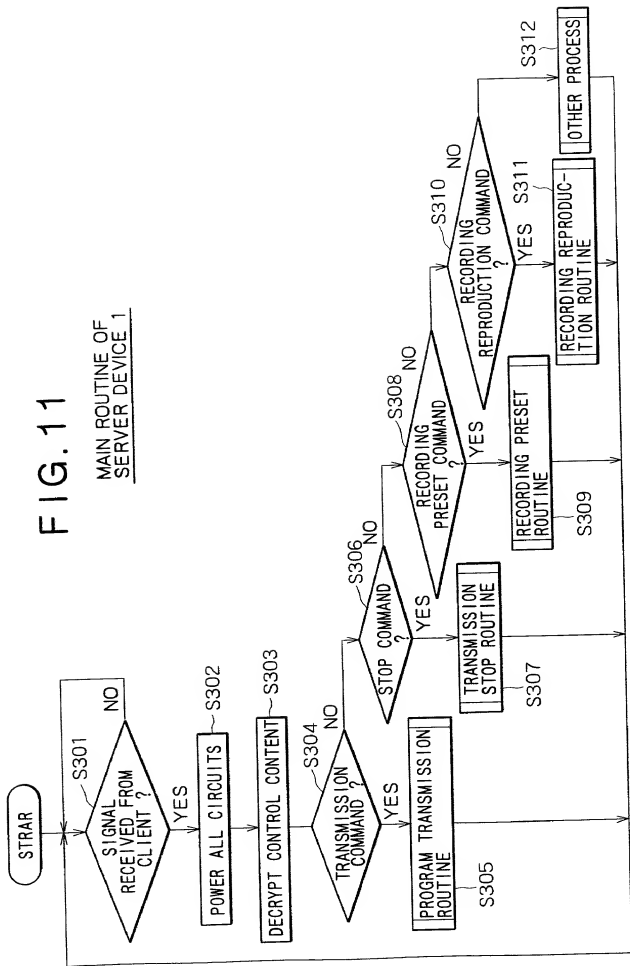


FIG. 12A

CLIENT-SIDE
PROCESSING

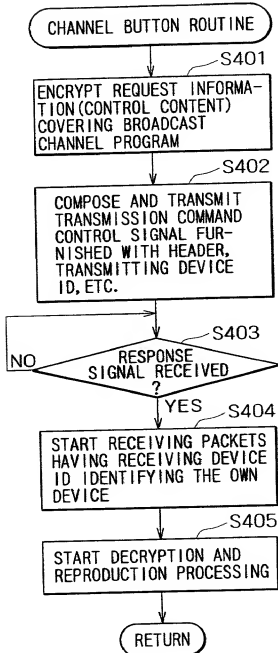


FIG. 12B

SERVER-SIDE
PROCESSING

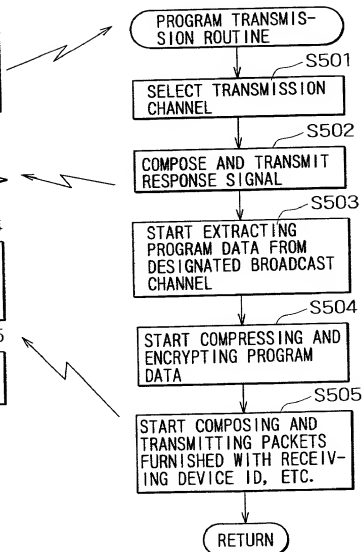


FIG. 13A

CLIENT-SIDE PROCESSING

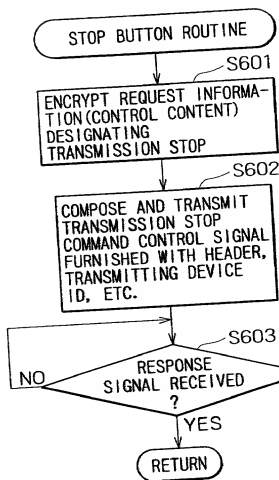


FIG. 13B

SERVER-SIDE PROCESSING

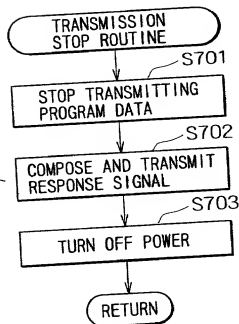


FIG. 14A

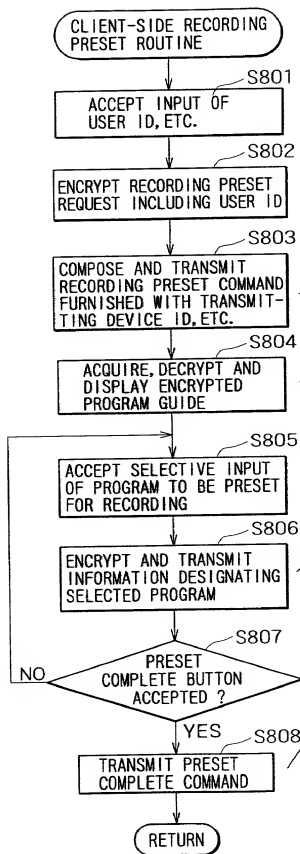


FIG. 14B

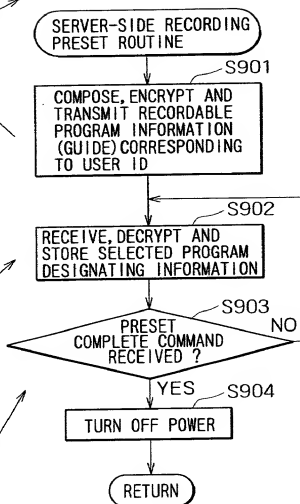


FIG. 15

USER ID	RESTRICTIONS	DESCRIPTION
001	FREE	NO RESTRICTIONS
002	X (FOR ADULTS ONLY)	ADULTS-ONLY (X-RATED) PROGRAMS ARE UNAVAILABLE
003	X (FOR ADULTS ONLY) R (UNFIT FOR CHILDREN UNDER 16)	ADULTS-ONLY (X-RATED) PROGRAM ARE UNAVAILABLE PROGRAMS RATED AS UNFIT FOR CHILDREN UNDER 16 (R-RATED) ARE UNAVAILABLE
.	.	
.	.	
.	.	
.	.	
.	.	

FIG.16

SEQ- No	PRESETTING DEVICE ID	USER ID	START TIME	END TIME	CH	MONITOR CLASSIFICATION	
						USER	DEVICE
1	01	003	11:00, 8/25/2000	12:00, 8/25/2000	5	1	1
2	02	003	11:30, 8/25/2000	13:30, 8/25/2000	8	1	0
3	01	002	11:00, 8/25/2000	12:00, 8/25/2000	7	0	1
.
.
.
.

FIG. 17

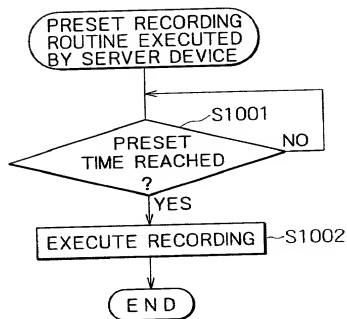


FIG. 18A

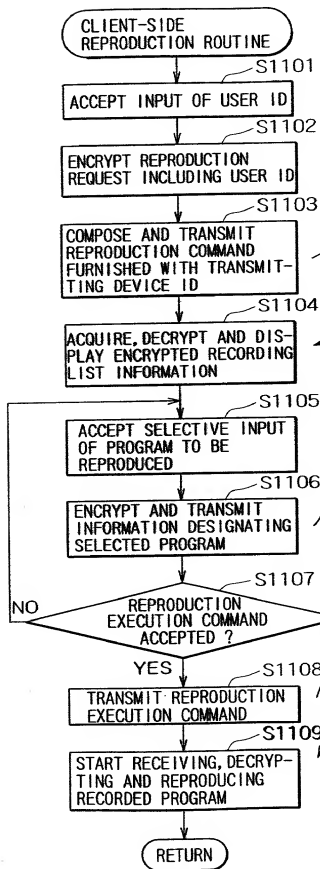


FIG. 18B

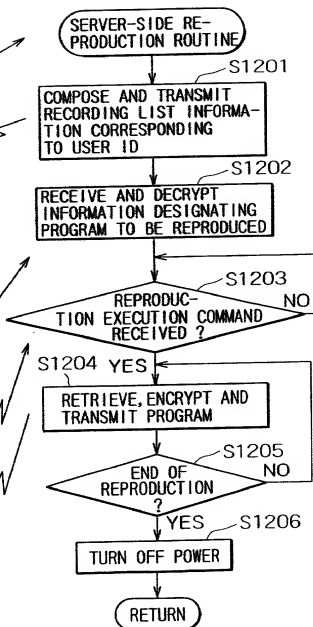


FIG. 19

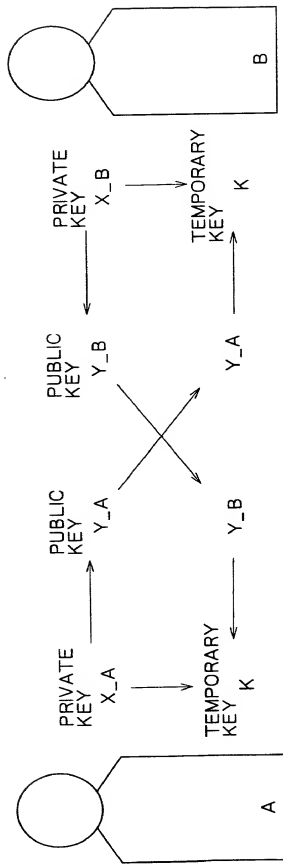


FIG. 20

	ON DEVICE A SIDE	ON DEVICE B SIDE
PRIVATE KEY	X_A	X_B
PUBLIC KEY	$Y_A = g^x (X_A) \bmod p$	$Y_B = g^x (X_B) \bmod p$
TEMPORARY KEY	$K = Y_B^x (X_A) \bmod p$ $= g^x (X_A \cdot X_B) \bmod p$	$K = Y_A^x (X_B) \bmod p$ $= g^x (X_B \cdot X_A) \bmod p$